

FASEB SUMMER RESEARCH CONFERENCES
MECHANISMS OF LIVER GROWTH, DEVELOPMENT AND DISEASE

Snowmass, Colorado

August 7 – August 12, 2004

Organizers

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MECHANISMS OF LIVER GROWTH, DEVELOPMENT AND DISEASE

PRELIMINARY PROGRAM

August 7, 2004 (Saturday Evening)

FASEB OPENING RECEPTION

KEYNOTE SPEAKER:

Jeffrey A. Whitsett, MD (Children's Hospital Medical Center Cincinnati).

"Mesenchymal-epithelial signaling and transcriptional control of foregut endodermal differentiation"

August 8, 2004 (Sunday)

Morning Session (9- Noon)

SESSION 1

Title of Session: Hepatic Specification

Session Chair & Co-chair: Ken Zaret (Philadelphia, PA) and Stephen Duncan (Milwaukee, WI)

SPEAKERS:

Stephen Duncan (Medical College of Wisconsin) "Control of hepatogenesis by Hnf4a and the Gata family of transcription factors"

Moshe Yaniv (Pasteur Institute, Paris) "Essential roles for HNF1 α & β and the SWI/SNF complex in liver development and function"

Frederic Lemaigre (Université catholique de Louvain, Belgium) "Role of Onecut transcription factors in biliary development"

Ken Zaret (Fox Chase Cancer Center, Philadelphia) "Signaling molecules in specification of hepatic and pancreatic lineages."

Several Talks will be selected from the submitted abstracts.

POSTERS & DINNER 4-7 PM

Evening Session (7-10 PM)

SESSION 2:

Title of Session: Pancreatic Specification

Session Chair & Co-chair: Roland Stein (Nashville, TN) and Klaus Kaestner (Philadelphia, PA)

SPEAKERS:

Klaus Kaestner (University of Pennsylvania, Philadelphia) "Forkhead Box transcription factors in pancreatic development"

Chris Wright (Vanderbilt University, Nashville) "Development of the exocrine pancreas"

Roland Stein (Vanderbilt University, Nashville) "The role of the RIPE3b1/Maf activator in islet beta cell development and function."

Seung K. Kim (Stanford University, California) "Generation of islets from embryonic stem cells"

Several Talks will be selected from the submitted abstracts.

PM3001180820

August 9, 2004 (Monday)

Morning Session (9- Noon)

SESSION 3:

Title of Session: Liver Transcription Factors

Session Chair & Co-chair: Gretchen Darlington (Houston, TX) & Joseph Locker (Bronx, NY)

SPEAKERS:

Gretchen Darlington (Baylor, Houston) "The Roles of the C/EBP Proteins in Hepatocyte Function"

Joseph Locker (Einstein, New York) "The transition between the fetal/neoplastic and adult hepatocyte phenotypes."

Iannis Talianidis (Crete, Greece) "Molecular mechanism of preinitiation complex formation on liver specific genes"

Brett Spear (Univ. of Kentucky, Lexington) "Genetic analysis of AFP regulation during development"

Several Talks will be selected from the submitted abstracts.

POSTERS & DINNER 4-7 PM

Evening Session (7- 10 PM)

SESSION 4:

Title of Session: Liver Regeneration and Differentiation

Session Chair & Co-chair: Nelson Fausto (Seattle, WA) and Robert Costa (Chicago, IL)

SPEAKERS:

George K. Michalopoulos (University of Pittsburgh) "Signals controlling hepatic tissue formation *in vivo* and *in vitro*"

Nelson Fausto (Univ. of Washington, Seattle) "Pathways involved in the initiation of liver regeneration"

Amedeo Columbano (Univ. of Cagliari, Sardinia, Italy) "Ligands of Nuclear Receptors and Hepatocyte Proliferation"

Robert Costa (University of Illinois, Chicago) "Role of Forkhead Box M1B transcription factor in regulating hepatocyte proliferation in regenerating liver and cancer"

Several Talks will be selected from the submitted abstracts.

August 10, 2004 (Tuesday)

Morning Session (9 to Noon)

SESSION 5:

Title of Session: Liver Stem cells and Liver Repopulation

Session Chair & Co-chair: Markus Grompe (Portland, OR) and David Shafritz (Bronx, NY)

SPEAKERS:

Markus Grompe (OHSU, Portland) "Liver repopulation by induced cell fusion"

Alistair Strain (Birmingham, UK) "Molecular and cellular analysis of human liver stem cells"

Atsushi Suzuki (Japan) "Prospective isolation of hepatic progenitors"

David Shafritz (Einstein, New York) "Liver repopulation by fetal stem cells"

Several Talks will be selected from the submitted abstracts.

POSTERS & DINNER 4-7 PM

PM3001180821

August 10, 2004 (Tuesday)

Evening Session (7- 10 PM)

SESSION 6:

Title of Session: Molecular Mechanisms of Hepatocarcinogenesis, Including Apoptosis

Session Chair & Co-chair: Snorri Thorgiersson (Bethesda, MD) & David Brenner (Chapel Hill, NC)

SPEAKERS:

Peggy Farnham (Univ. of Wisconsin, Madison) "Characterization and regulation of early markers for hepatocarcinogenesis".

Janardan Reddy (Northwestern University, Chicago) "Nuclear receptor coactivators in hepatic gene expression"

David Brenner (UNC, Chapel Hill) "Differential stress activated signaling in hepatic cells"

Snorri Thorgiersson (NIH, NCI) "Molecular Pathways and Therapeutic Targets in Liver Cancer"

Several Talks will be selected from the submitted abstracts.

August 11, 2004 (Wednesday)

Morning Session (9 to Noon)

SESSION 7:

Title of Session: Hepatic Gene Therapy

Session Chair & Co-chair: **Namita Roy-Chowdury (Bronx, NY) and **Mark Kay (Stanford, CA)

SPEAKERS:

Jayanta Roy-Chowdury (Einstein, New York) "SV40-based and non-viral vectors for long-term gene therapy of liver diseases"

Kathy Ponder (Washington University, St. Louis) "Retroviral vector-mediated Gene Therapy of Liver"

Mark Kay (Stanford University, California) "Liver Gene Therapy for Hepatitis and Hemophilia"

Andre Lieber (University of Washington, Seattle) "Advances in the development of safer adenovirus \ vectors for liver gene transfer"

Several Talks will be selected from the submitted abstracts.

Western Banquet 5:30 PM to 7:00 PM Barbeque Dinner

Evening Session (7- 10 PM)

SESSION 8:

Title of Session: Immunological Mechanisms of Liver Injury and hepatic fibrosis

Session Chair & Co-chair: Scott Friedman (New York, NY) & Greg Gores (Rodchester, MN)

SPEAKERS:

Anna Mae Diehl (Johns Hopkins, Baltimore) "Immunologic pathogenesis of fatty liver diseases"

Greg Gores (Mayo Clinic, MN) "Cathepsin B as a Mediator of Liver Injury and Fibrosis"

Scott Friedman (Mt. Sinai, NY) "Immune modulation of fibrosis by lymphocyte subsets"

Alphonse Sirica (University of VA, Richmond) "Altered Growth Factor Receptor Signaling and Molecular Therapeutic Targeting in Hepatobiliary Cancer"

Several Talks will be selected from the submitted abstracts.

PM3001180822

August 12, 2004 (Thursday)

Morning Session (9 to Noon)

SESSION 9:

Title of Session: Mechanisms of Viral Hepatitis and Replication

Session Chair & Co-chair: Aleem Siddiqui (Denver, CO) and **Alan McLachlan (San Diego, CA)

SPEAKERS:

Aleem Siddiqui (University of Co, Denver) **"Regulatory mechanisms of viral hepatitis B and C"**

Alan McLachlan (Scripps, San Diego) **"Roles of Liver-enriched Transcription Factors in Regulating Hepatitis B Virus Tropism"**

Mark Feitelson (Philadelphia, PA) **"Regulation of Apoptosis by Hepatitis B Virus X Antigen."**

Shih, Chiaho (Galveston, TX) **"Molecular Analysis of Host Response to Wild Type HBV vs. Naturally Occurring Variants"**

Dan Loeb (University of Wisconsin, Madison) **"Hepatitis B Virus: Conformation of the nucleic acid is important for its reverse transcription."**

Several Talks will be selected from the submitted abstracts.

PM3001180823